

PTO/SB/82 (06-03)

Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REVOCATION OF POWER OF
ATTORNEY and APPOINTMENT OF
NEW POWER OF ATTORNEY**

Application Number	10/642,649
Filing Date	August 19, 2003
First Named Inventor	Peter DEANE et al.
Art Unit	2661
Examiner Name	
Attorney Docket Number	PAT 2139-2

I hereby revoke all previous powers of attorney given in the above-identified application:

A Power of Attorney is submitted herewith.

OR

I hereby appoint the practitioners at Customer Number:

26123

Please change the correspondence address for the above-identified application to:

The address associated with
Customer Number:

26123

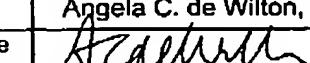
OR

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City			
Country	State		Zip
Telephone	Fax		

I am the:

Applicant/Inventor.
 Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name	Angela C. de Wilton, Director, Intellectual Property		
Signature			
Date	1 March 2004	Telephone	(613) 768-3020

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: **NORTEL NETWORKS LIMITED**Application No./Patent No.: **10/642,649** Filed/Issue Date: **August 19, 2003**METHOD AND APPARATUS FOR PROCESSING MULTIPLE COMMON FREQUENCY SIGNALS THROUGH A
Entitled: **SINGLE CABLE USING CIRCULATORS**NORTEL NETWORKS LIMITED Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or2. an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded
in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is
attached.**OR**B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown
below:1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document)
must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be
recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

1 March 2004

Angela C. de Witton

Date
(613) 768-3020

Typed or printed name

AcdeWitton

Telephone number

Signature

Director, Intellectual Property

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FILE NO. 0583P37US01
United States

PATENT APPLICATION
ASSIGNMENT

FOR VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I (we) the undersigned, whose full post office address(es) is(are) listed below my (our) name(s), do hereby sell, assign and transfer to:

NORTEL NETWORKS LIMITED

(hereinafter "Nortel"), its successors, assigns and legal representatives, whose full post office address is:

2351 Boulevard Alfred-Nobel
St. Laurent, Quebec
Canada, H4S 2A9

all their right, title, and interest worldwide in and to the invention relating to

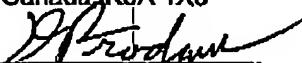
METHOD AND APPARATUS FOR PROCESSING MULTIPLE COMMON FREQUENCY SIGNALS THROUGH A SINGLE CABLE USING CIRCULATORS

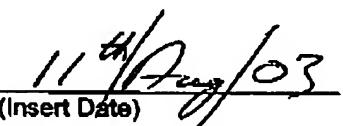
as described in an application for letters patent filed concurrently, as well as all rights and privileges including priority rights arising from the aforesaid application and corresponding applications in other countries, all continuations, continuations-in-part, divisions, renewals, substitutes or reissues thereof, and all the rights and privileges under any and all letters patent that may be granted for said invention.

I (We) undertake without charges to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors assigns and legal representatives to procure and maintain patent or any other intellectual property protection for said invention in any and all countries and to vest title thereto to Nortel, its successors assigns and legal representatives.

THE UNDERSIGNED hereby authorizes the firm of **Shapiro Cohen** whose full office address is P.O. Box 3440, Station D, Ottawa, Ontario, K1P 6P1, Canada to correct clerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Patent Office.


Peter DEANE
4779 Newtown Road
Fitzroy Harbour, Ontario
Canada, K0A 1X0


Witness Signature


(Insert Date)


Dimitrios Prodano
Witness Name (Print)

Page 2



Abdelgader LEGNAIN
66-F Brockington Cres.
Nepean, Ontario
Canada, K2G 5L1

24/July/2003

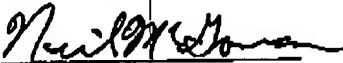
(Insert Date)



Witness Signature

Edward Mah

Witness Name (Print)



Neil MCGOWAN
5 Kearnsley Way
Stittsville, Ontario
Canada, K2S 1G8

July 24/03

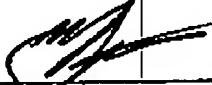
(Insert Date)



Witness Signature

JOHN PANICKER

Witness Name (Print)



Marthinus DA SILVEIRA
7 Clouthier St.
Nepean, Ontario
Canada, K2J 4T4

July 25/03

(Insert Date)



Witness Signature

JOHN PANICKER

Witness Name (Print)